

N° 13,892

A.D. 1915

*Date of Application, 80th Mar., 1916—Accepted, 81st Aug., 1916*

## COMPLETE SPECIFICATION.

An Improved Handle or Grip for the Steering Wheels, Steering Levers or Handle Bars, of Motor Cars, Cycles and other Vehicles.

I, AMERIGO EDWIN FLAXMAN, of St. Nicholas, Pittenweem, Fifehire, Scotland, Surgeon, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

5 This invention relates to the steering wheels, steering levers or handle bars of  
motor cars, cycles and other vehicles of the type having pneumatic cushioning  
means consisting of rubber or like jackets or tubes fitted round or over the wheel  
or handle. In such cushioning means heretofore proposed the air jacket or  
tube contains air at atmospheric pressure or is inflated through a non-return  
10 valve, and an outer cover is in some cases provided.

Under the present invention the cushioning means consists of a longitudinal  
tube whose ends are flattened out and are folded round the handle, the tube being  
15 hermetically sealed with air therein at atmospheric pressure and being suitably  
compressed by means of outer windings or other like covers.

16 In order that this invention may be clearly understood, I have hereto  
appended explanatory drawings which show the invention as applied to a steering  
wheel.

Fig. 1 is plan view of the complete wheel.

Fig. 2 is a cross section taken on the line 2, 2, Fig. 1.

Fig. 3 is a view of the pneumatic cushion.

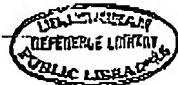
20 The wheel 1 is made at each side with a reduced part 3 adapted to receive the  
cushion part 4 which in the example shown consists of a length of tubing with the  
ends 5, 5, thereof flattened out and hermetically sealed so as to imprison sufficient  
air to give the required resiliency. The parts 4 are folded over the reduced  
25 parts 3 and are secured by end rings or bindings 6, 6, and by a spirally wound or  
other covering 7 of leather or other convenient material which gives the required  
compression to the cushion.

The grip device may be made in segments to be placed between the different  
spokes of a steering wheel as shown. If so desired the spokes of the wheel—or  
30 certain of the spokes—may be provided with cushioning means similar to those  
on the rim.

The cushioning means are covered or bound by spirally wound leather cloth or  
other convenient material or by means of any other convenient covering or  
binding.

35 In the case of the handles of cycles, motor cycles and the like each handle is  
provided with a cushion member constructed in the manner above described to  
enclose the core or bar and held under the required compression by the outer  
binding or covering.

[Price 6d.]



2

No 13,892.—A.D. 1915.

An Improved Handle or Grip for the Steering Wheels of Motor Cars, &c.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is—

1. An improved handle or grip for the steering wheels, steering levers or handle bars of motor-cars, cycles and other vehicles having resilient cushioning means 5 consisting of a longitudinal tube having its ends flattened out and folded round the handle, the tube being hermetically sealed with air therein at atmospheric pressure and being suitably compressed by means of outer windings or other like covers, substantially as described.
2. An improved handle or grip for the steering wheels of motor vehicles constructed substantially as hereinbefore described with reference to the drawings annexed.

Dated this 29th day of March, 1916.

JOHNSONS,  
Chartered Patent Agents, 15  
41, St. Vincent Place, Glasgow, and  
18, York Place, Edinburgh.

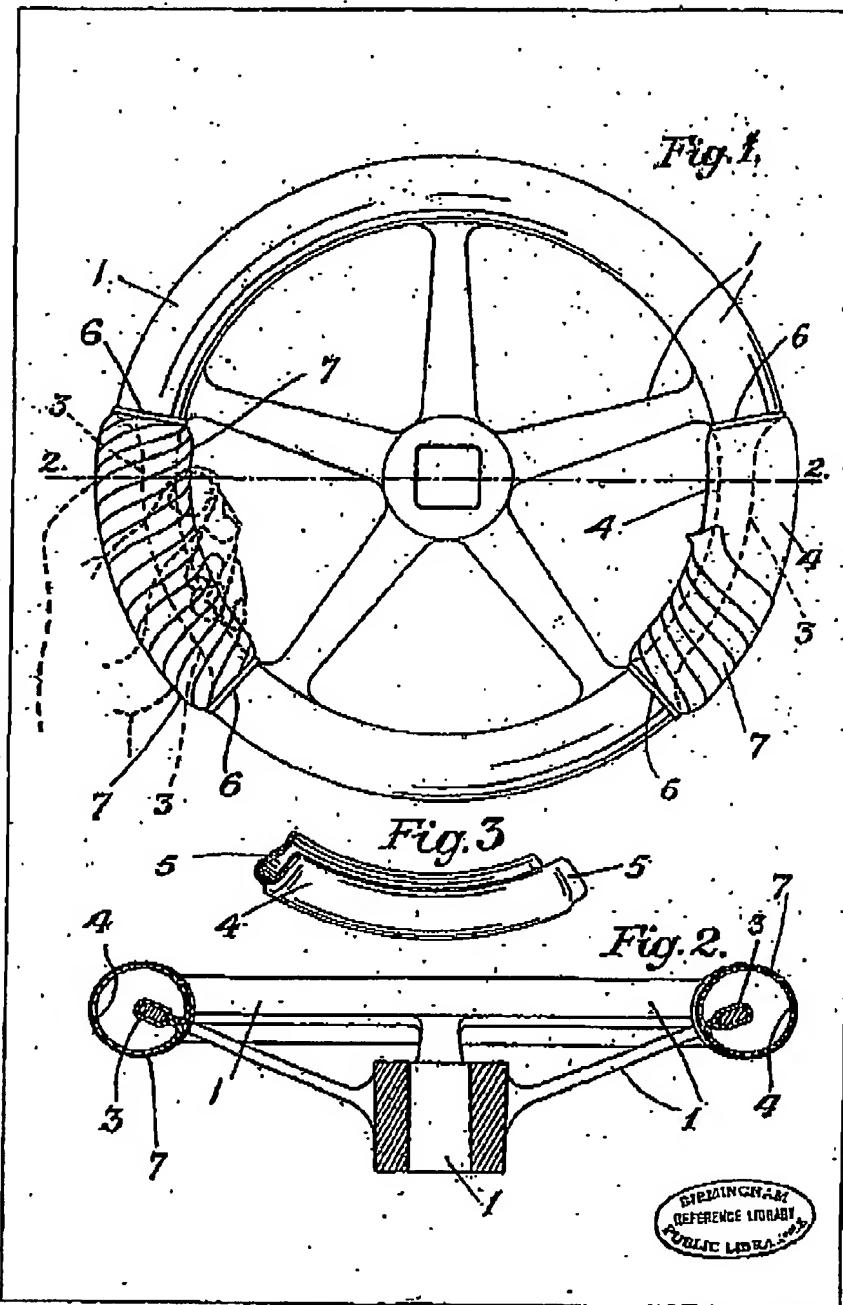
Bethell: Printed for His Majesty's Stationery Office, by Love & Melcomson, Ltd.—1916.

NSDOCID: ~~488~~ 191513892A

A.D. 1915. MARCH 20. 1916. No 13,892.  
FLAXMAN'S COMPLETE SPECIFICATION.

(1 SHEET)

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